

PATENT ABSTRACTS OF JAPAN

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04-078005(71)Applicant : **TOSHIBA CORP**

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(54) MAGNETOSTRICTIVE ACTUATOR

(57)Abstract:

PURPOSE: To provide a magnetostriuctive actuator enhanced in controllability of micro-displacement drive and quantity of displacement.

CONSTITUTION: A magnetic field generating air-core coil 8 and a heating air-core coil 9 are provided around a magnetostriective rod 1, and the magnetostriective rod 1 is heated by the heating air-core coil 9 to be thermally expanded, whereby the rod 1 is enhanced in controllability of micro-displacement drive and quantity of displacement.

